

Please type a plus sign (+) inside this box → +

PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. 2738-016

First Inventor Lester F. Ludwig

Title "FUNCTIONAL EXTENSIONS OF TRADITIONAL MUSIC KEYBOARDS"

Express Mail Label No. EL 898590337 US

USPTO
1010089914
21154



APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
- Applicant claims small entity status.
See 37 CFR 1.27.
- Specification [Total Pages 198]
(preferred arrangement set forth below)
 - Descriptive title of the Invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (*if filed*)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
- Drawing(s) (35 U.S.C. 113) [Total Sheets 72]
- Oath or Declaration [Total Pages 2]
 - a. Newly executed (original or copy)
 - b. Copy from a prior application (37 CFR 1.63 (d))
(for a continuation/divisional with Box 18 completed)
 - i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- Application Data Sheet. See 37 CFR 1.76

ADDRESS TO:

Mail Stop: Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

7. CD-ROM or CD-R in duplicate, large table or Computer Program (*Appendix*)
8. Nucleotide and/or Amino Acid Sequence Submission (*if applicable, all necessary*)
 - a. Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. paper
 - c. Statements verifying identity of above copies

ACCOMPANYING APPLICATIONS PARTS

9. Assignment Papers (cover sheet & document(s))
10. 37 C.F.R. §3.73(b) Statement Power of (*when there is an assignee*) Attorney
11. English Translation Document (*if applicable*)
12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
13. Preliminary Amendment
14. Return Receipt Postcard (MPEP 503) (*Should be specifically itemized*)
15. Certified Copy of Priority Document(s) (*if foreign priority is claimed*)
16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. Other: Credit Card Payment Form

18. If a CONTINUATING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation Divisional Continuation-in-part (CIP)

of prior application No: 09 / 812,400

Prior application information: Examiner Marlon T. Fletcher Group / Art Unit: 2837

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label	00616	or <input type="checkbox"/> Correspondence address below (Insert Customer No. or Attach bar code label here)
Name		
Address		
City	State	Zip Code
Country	Telephone	Fax

Name (Print/Type)	Jeffrey J. Lotspeich	Registration No. (Attorney/Agent)	45,737
-------------------	----------------------	-----------------------------------	--------

Signature		Date	10 October 2003
-----------	--	------	-----------------

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Mail Stop Patent Application, P.O. Box 1450, Alexandria, VA 22313-1450.

16138 U.S.P.T.O.
101003Approved for use through 04/30/2003. OMB 0651-0032
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2004

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 1329)

Complete If Known	
Application Number	
Filing Date	10 October 2003
First Named Inventor	Lester F. Ludwig
Examiner Name	
Group / Art Unit	

Attorney Docket No. 2738-16

METHOD OF PAYMENT (check all that apply)					FEE CALCULATION (continued)																																																																																																																																																																																																																												
<input type="checkbox"/> Check <input checked="" type="checkbox"/> Credit card <input type="checkbox"/> Money <input type="checkbox"/> Other <input type="checkbox"/> None <input type="checkbox"/> Deposit Account: Deposit Account Number 020460 Deposit Account Name THE MAXHAM FIRM					3. ADDITIONAL FEES <table border="1"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Fee (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>1805</td><td>1,840*</td><td>1805</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>1252</td><td>420</td><td>2252</td><td>210</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1253</td><td>950</td><td>2253</td><td>475</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1254</td><td>1,480</td><td>2254</td><td>740</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>1255</td><td>2,010</td><td>2255</td><td>1,005</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>1401</td><td>330</td><td>2401</td><td>165</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1402</td><td>330</td><td>2402</td><td>165</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403</td><td>290</td><td>2403</td><td>145</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1451</td><td>1,510</td><td>1451</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive – unavoidable</td><td></td></tr> <tr><td>1453</td><td>1,330</td><td>2453</td><td>665</td><td>Petition to revive – unintentional</td><td></td></tr> <tr><td>1501</td><td>1,330</td><td>2501</td><td>665</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>1502</td><td>480</td><td>2502</td><td>240</td><td>Design issue fee</td><td></td></tr> <tr><td>1503</td><td>640</td><td>2503</td><td>320</td><td>Plant issue fee</td><td></td></tr> <tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Processing fee under 37 CFR 1.17 (q)</td><td></td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>Total Claims</td><td>101</td><td>-20 **</td><td>= 81</td><td>X 9 = 729</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>Independent Claims</td><td>8</td><td>-3 **</td><td>= 5</td><td>X 43 = 215</td><td>1809 770 2809 385 Filing a submission after final rejection (37 CFR § 1.129(a))</td><td></td></tr> <tr><td>Multiple Dependent</td><td></td><td></td><td></td><td>X 0 = 0</td><td>1810 770 2810 385 For each additional invention to be examined (37 CFR § 1.129(b))</td><td></td></tr> <tr> <td>Large Entity Fee Code (\$)</td> <td>Entity Fee (\$)</td> <td>Small Entity Fee Code (\$)</td> <td>Fee (\$)</td> <td>Fee Description</td> <td>1801 770 2801 385 Request for Continued Examination (RCE)</td><td></td> </tr> <tr> <td>1202 18</td> <td>2202</td> <td>9</td> <td>Claims in excess of 20</td> <td>1802 900 1802 900 Request for expedited examination of a design application</td><td></td> </tr> <tr> <td>1201 86</td> <td>2201</td> <td>43</td> <td>Independent claims in excess of 3</td> <td></td><td></td> </tr> <tr> <td>1203 290</td> <td>2203</td> <td>145</td> <td>Multiple dependent claim, if not paid</td> <td></td><td></td> </tr> <tr> <td>1204 86</td> <td>2204</td> <td>43</td> <td>** Reissue independent claims over original patent</td> <td></td><td></td> </tr> <tr> <td>1205 18</td> <td>2205</td> <td>9</td> <td>** Reissue claims in excess of 20 and over original patent</td> <td></td><td></td> </tr> <tr> <td colspan="5">SUBTOTAL (2) (\$ 944)</td> <td>Other fee (specify) _____</td> <td></td> </tr> <tr> <td colspan="5">**or number previously paid, if greater; For Reissues, see above</td> <td>*Reduced by Basic Filing Fee Paid</td> <td>SUBTOTAL (3) (\$ 0)</td> </tr> </tbody> </table>					Large Entity Fee Code (\$)	Fee (\$)	Small Entity Fee Code (\$)	Fee (\$)	Fee Description	Fee Paid	1051	130	2051	65	Surcharge - late filing fee or oath		1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet		1053	130	1053	130	Non-English specification		1812	2,520	1812	2,520	For filing a request for reexamination		1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action		1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action		1251	110	2251	55	Extension for reply within first month		1252	420	2252	210	Extension for reply within second month		1253	950	2253	475	Extension for reply within third month		1254	1,480	2254	740	Extension for reply within fourth month		1255	2,010	2255	1,005	Extension for reply within fifth month		1401	330	2401	165	Notice of Appeal		1402	330	2402	165	Filing a brief in support of an appeal		1403	290	2403	145	Request for oral hearing		1451	1,510	1451	1,510	Petition to institute a public use proceeding		1452	110	2452	55	Petition to revive – unavoidable		1453	1,330	2453	665	Petition to revive – unintentional		1501	1,330	2501	665	Utility issue fee (or reissue)		1502	480	2502	240	Design issue fee		1503	640	2503	320	Plant issue fee		1460	130	1460	130	Petitions to the Commissioner		1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)		1806	180	1806	180	Submission of Information Disclosure Stmt		Total Claims	101	-20 **	= 81	X 9 = 729	Recording each patent assignment per property (times number of properties)		Independent Claims	8	-3 **	= 5	X 43 = 215	1809 770 2809 385 Filing a submission after final rejection (37 CFR § 1.129(a))		Multiple Dependent				X 0 = 0	1810 770 2810 385 For each additional invention to be examined (37 CFR § 1.129(b))		Large Entity Fee Code (\$)	Entity Fee (\$)	Small Entity Fee Code (\$)	Fee (\$)	Fee Description	1801 770 2801 385 Request for Continued Examination (RCE)		1202 18	2202	9	Claims in excess of 20	1802 900 1802 900 Request for expedited examination of a design application		1201 86	2201	43	Independent claims in excess of 3			1203 290	2203	145	Multiple dependent claim, if not paid			1204 86	2204	43	** Reissue independent claims over original patent			1205 18	2205	9	** Reissue claims in excess of 20 and over original patent			SUBTOTAL (2) (\$ 944)					Other fee (specify) _____		**or number previously paid, if greater; For Reissues, see above					*Reduced by Basic Filing Fee Paid	SUBTOTAL (3) (\$ 0)
Large Entity Fee Code (\$)	Fee (\$)	Small Entity Fee Code (\$)	Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																																																												
1051	130	2051	65	Surcharge - late filing fee or oath																																																																																																																																																																																																																													
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																																																																													
1053	130	1053	130	Non-English specification																																																																																																																																																																																																																													
1812	2,520	1812	2,520	For filing a request for reexamination																																																																																																																																																																																																																													
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																																																													
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																																																																													
1251	110	2251	55	Extension for reply within first month																																																																																																																																																																																																																													
1252	420	2252	210	Extension for reply within second month																																																																																																																																																																																																																													
1253	950	2253	475	Extension for reply within third month																																																																																																																																																																																																																													
1254	1,480	2254	740	Extension for reply within fourth month																																																																																																																																																																																																																													
1255	2,010	2255	1,005	Extension for reply within fifth month																																																																																																																																																																																																																													
1401	330	2401	165	Notice of Appeal																																																																																																																																																																																																																													
1402	330	2402	165	Filing a brief in support of an appeal																																																																																																																																																																																																																													
1403	290	2403	145	Request for oral hearing																																																																																																																																																																																																																													
1451	1,510	1451	1,510	Petition to institute a public use proceeding																																																																																																																																																																																																																													
1452	110	2452	55	Petition to revive – unavoidable																																																																																																																																																																																																																													
1453	1,330	2453	665	Petition to revive – unintentional																																																																																																																																																																																																																													
1501	1,330	2501	665	Utility issue fee (or reissue)																																																																																																																																																																																																																													
1502	480	2502	240	Design issue fee																																																																																																																																																																																																																													
1503	640	2503	320	Plant issue fee																																																																																																																																																																																																																													
1460	130	1460	130	Petitions to the Commissioner																																																																																																																																																																																																																													
1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)																																																																																																																																																																																																																													
1806	180	1806	180	Submission of Information Disclosure Stmt																																																																																																																																																																																																																													
Total Claims	101	-20 **	= 81	X 9 = 729	Recording each patent assignment per property (times number of properties)																																																																																																																																																																																																																												
Independent Claims	8	-3 **	= 5	X 43 = 215	1809 770 2809 385 Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																																																																																																																																												
Multiple Dependent				X 0 = 0	1810 770 2810 385 For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																																																																																																																												
Large Entity Fee Code (\$)	Entity Fee (\$)	Small Entity Fee Code (\$)	Fee (\$)	Fee Description	1801 770 2801 385 Request for Continued Examination (RCE)																																																																																																																																																																																																																												
1202 18	2202	9	Claims in excess of 20	1802 900 1802 900 Request for expedited examination of a design application																																																																																																																																																																																																																													
1201 86	2201	43	Independent claims in excess of 3																																																																																																																																																																																																																														
1203 290	2203	145	Multiple dependent claim, if not paid																																																																																																																																																																																																																														
1204 86	2204	43	** Reissue independent claims over original patent																																																																																																																																																																																																																														
1205 18	2205	9	** Reissue claims in excess of 20 and over original patent																																																																																																																																																																																																																														
SUBTOTAL (2) (\$ 944)					Other fee (specify) _____																																																																																																																																																																																																																												
**or number previously paid, if greater; For Reissues, see above					*Reduced by Basic Filing Fee Paid	SUBTOTAL (3) (\$ 0)																																																																																																																																																																																																																											

SUBMITTED BY Complete (if applicable)					
Name (Print/Type)	Jeffrey J. Lotspeich	Registration No. Attorney/Agent)	45,737	Telephone	619-233-9004
Signature				Date	10 October 2003

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

EL898590337US

"EXPRESS MAIL" MAILING LABEL NO. EL 898590337 US

DATE OF DEPOSIT: 10 October 2003

I HEREBY CERTIFY THAT THESE PAPERS AND FEE ARE BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE "EXPRESS MAIL POST OFFICE TO ADDRESSEE" SERVICE UNDER 37 CFR 1.10 ON THE DATE INDICATED ABOVE AND IS ADDRESSED TO, MAIL STOP PATENT APPLICATION, COMMISSIONER FOR PATENTS, P.O. Box 1450, Alexandria, Virginia 22213-1450.

Belinda M. Owens

(NAME)

Belinda m. Owens

(SIGNATURE)